Table ENG-3. - Building Site Development

City of Richmond, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

	Pct	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
Map Symbol and Soil Name	of					3.	
and communic	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B: Abell	85	Not limited		Somewhat limited Depth to saturated zone	0.99	Somewhat limited Slope	0.13
2B:							
Appling	85	Not limited		Not limited		Not limited	
3B:							
Appling	85	Not limited		Not limited		Not limited	
3C:							
Appling	85	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
3D:							
Appling	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
4C:							
Appling	45	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
Wedowee	40	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
4D:							
Appling	45	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Wedowee	40	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
5A:							
Atlee	85	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.39
6A:							
Augusta	85	Somewhat limited Depth to saturated zone	0.98	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.98
7B:							

Map Symbol and Soil Name	Pct of	Dwellings withou Basements	ıt	Dwellings with Basements		Small Commercial Buildings	
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
7B:							
Bourne	85	Somewhat limited	0.07	Very limited	4.00	Somewhat limited	0.07
		Depth to thick cemented pan	0.97	Depth to thick cemented pan	1.00	Depth to thick cemented pan	0.97
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
7C:							
Bourne	85	Somewhat limited		Very limited		Very limited	
		Depth to thick	0.97	Depth to thick	1.00	Slope	1.00
		cemented pan	0.00	cemented pan	4.00	Depth to thick	0.97
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	cemented pan Depth to saturated	0.39
		Slope	0.04	Slope	0.04	zone	0.55
8C:							
Cecil	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
8D:							
Cecil	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
9A:							
Chastain	85	Very limited	4.00	Very limited	4.00	Very limited	4.00
		Flooding Depth to saturated	1.00 1.00	Flooding Depth to saturated	1.00 1.00	Flooding Depth to saturated	1.00 1.00
		zone	1.00	zone	1.00	zone	1.00
Nawney	6	Not Rated		Not Rated		Not Rated	
Johnston	4	Not Rated		Not Rated		Not Rated	
10A:							
Chewacla	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Chastain	6	Not Rated		Not Rated		Not Rated	
Johnston	4	Not Rated		Not Rated		Not Rated	
11B:							
Colfax	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.90	Depth to thick cemented pan	1.00	Depth to thick cemented pan	0.90
Worsham	3	Not Rated		Not Rated		Not Rated	
12C:							

Map Symbol and Soil Name	Pct of	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
12C:							
Colfax	85	Somewhat limited Slope	0.04	Somewhat limited Depth to thin cemented pan Slope	0.90 0.04	Very limited Slope	1.00
Worsham	3	Not Rated		Not Rated		Not Rated	
13A:							
Dogue	85	Very limited Flooding Shrink-swell Depth to saturated zone	1.00 0.50 0.07	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Shrink-swell Depth to saturated zone	1.00 0.50 0.07
14A:							
Dunbar	85	Somewhat limited Depth to saturated zone	0.81	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.81
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Pouncey	3	Not Rated		Not Rated		Not Rated	
15B:							
Durham	45	Not limited		Not limited		Not limited	
Bourne	40	Somewhat limited Depth to thick cemented pan Depth to saturated zone	0.97 0.39	Very limited Depth to thick cemented pan Depth to saturated zone	1.00	Somewhat limited Depth to thick cemented pan Depth to saturated zone	0.97 0.39
16B:							
Edgehill	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
16C:							
Edgehill	85	Somewhat limited Shrink-swell Slope	0.50 0.04	Somewhat limited Shrink-swell Slope	0.50 0.04	Very limited Slope Shrink-swell	1.00 0.50
16D:							
Edgehill	85	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
16E:							
Edgehill	85	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
17B:							

Rating Class and Rating Class and Rating Class and Rating Class and	Map Symbol and Soil Name	Pct of	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
Faceville		Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
17C: Faceville		*		•		<u> </u>		•
Faceville	Faceville	85	Not limited		Not limited		Not limited	
	17C:							
17D: Faceville	Faceville	85		0.04		0.04	-	4.00
Faceville			Slope	0.04	Siope	0.04	Slope	1.00
18B: Faceville 50 Not limited Somewhat limited Somewhat limited Somewhat limited Somewhat limited Very limite		0.5						
18B:	Faceville	85	-	1 00	-	1 00	-	1.00
Faceville			Оюрс	1.00	σιορο	1.00	Оюрс	1.00
Gritney		50	Not limited		Not limited		Not limited	
Depth to saturated zone Depth to saturated Depth to saturated Slope Depth to saturated D	raceville	50	Not limited		Not iiiiileu		Not limited	
20ne	Gritney	35			•			
18C:				0.98	•	1.00		0.98
Faceville				0.50		0.50		0.50
Faceville	18C:							
Somewhat limited		50	Somewhat limited		Somewhat limited		Very limited	
Depth to saturated zone 2.08 Depth to saturated zone 2.098 Depth to saturated zone 2.009 Depth to saturated 2.009 Depth to saturated 2.009 Depth to saturated 2.009 Shrink-swell 0.50 Shrink-swell 0.50 zone 2.009 2.009 Slope 0.04 Slope 0.04 Shrink-swell 0.50 Zone 2.009 Slope 0.04 Slope 0.04 Shrink-swell 0.50 Somewhat limited 2.009 Very limited 2.009 Very limited 2.009 Very limited 2.009 Slope 0.04 Slope 0.			Slope	0.04	Slope	0.04	Slope	1.00
	Gritney	35	Somewhat limited		Very limited		Very limited	
Shrink-swell 0.50 Shrink-swell 0.50 Zone 20ne				0.98	•	1.00	·	1.00
19C: Grover				0.50		0.50		0.98
Grover 85 Somewhat limited Somewhat limited Slope 0.04 Slope 0.04 Slope 19D: Grover 85 Very limited Very limited Very limited Very limited Very limited Slope 1.00 Slope 1.00 Slope 19E: Grover 85 Very limited Slope 1.00 Slope 20C: Grover 50 Somewhat limited Slope 0.04 Slope 0.04 Slope Wateree 30 Somewhat limited Somewhat limited Very limited Very limited Nope 0.04 Slope			Slope	0.04	Slope	0.04	Shrink-swell	0.50
Slope	19C:							
19D: Grover 85 Very limited Very limited Very limited 19E: Slope 1.00 Slope 1.00 Slope 19E: Very limited Very limited Very limited Slope 1.00 Slope 1.00 Slope 20C: Somewhat limited Somewhat limited Very limited Slope 0.04 Slope 0.04 Slope Wateree 30 Somewhat limited Somewhat limited Very limited Slope 0.04 Depth to soft bedrock 0.97 Slope	Grover	85					-	
Grover 85 Very limited Very limited Very limited Very limited Slope 1.00 Slope 1.00 Slope 19E: Grover 85 Very limited Very limited Very limited Very limited Slope 1.00 Slope 1.00 Slope 20C: Grover 50 Somewhat limited Slope 0.04 Slope 0.04 Slope Wateree 30 Somewhat limited Slope 0.04 Depth to soft bedrock 0.97 Slope			Slope	0.04	Slope	0.04	Slope	1.00
Slope 1.00 Slope 1.00 Slope 19E: Grover 85 Very limited Very limited Very limited Very limited Slope 1.00 Slope 1.00 Slope 20C: Grover 50 Somewhat limited Slope 0.04 Slope 0.04 Slope Wateree 30 Somewhat limited Somewhat limited Very limited Very limited Very limited Slope 0.04 Slope								
19E: Grover 85 Very limited Very limited Very limited Slope 1.00 Slope 1.00 Slope 20C: Grover 50 Somewhat limited Slope 0.04 Slope Wateree 30 Somewhat limited Slope 0.04 Depth to soft bedrock 0.97 Slope	Grover	85		1.00		1.00		1.00
Grover 85 Very limited Very limited Very limited Very limited Slope 1.00 Slope 1.00 Slope 20C: Grover 50 Somewhat limited Slope 0.04 Slope 0.04 Slope Wateree 30 Somewhat limited Slope 0.04 Depth to soft bedrock 0.97 Slope			Slope	1.00	Siope	1.00	Slope	1.00
Slope 1.00 Slope 1.00 Slope 20C: Grover 50 Somewhat limited Slope 0.04 Slope Wateree 30 Somewhat limited Slope 0.04 Depth to soft bedrock 0.97 Slope							.,	
20C: Grover 50 Somewhat limited Somewhat limited Very limited Slope 0.04 Slope 0.04 Slope Wateree 30 Somewhat limited Somewhat limited Slope 0.04 Depth to soft bedrock 0.97 Slope	Grover	85	-	1 00		1 00	•	1.00
Grover 50 Somewhat limited Somewhat limited Very limited Slope 0.04 Slope 0.04 Slope Wateree 30 Somewhat limited Somewhat limited Slope 0.04 Depth to soft bedrock 0.97 Slope			Оюрс	1.00	Olope	1.00	Сюрс	1.00
Slope 0.04 Slope 0.04 Slope Wateree 30 Somewhat limited Slope 0.04 Depth to soft bedrock 0.97 Slope		E 0	Computat limited		Compulat limited		Vanclimitad	
Wateree 30 Somewhat limited Somewhat limited Very limited Slope 0.04 Depth to soft bedrock 0.97 Slope	GIUVEI	50		0.04		0.04	•	1.00
Slope 0.04 Depth to soft bedrock 0.97 Slope	\\/	20						
	vvateree	30		0 04		0.97	•	1.00
			5.0p0	0.04			3.000	1.00
21A:	214.							

Map Symbol and Soil Name	Pct of	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
21A:					1		
Johnston	85	Very limited		Very limited		Very limited	
		Flooding Depth to saturated zone	1.00 1.00	Flooding Depth to saturated zone	1.00 1.00	Flooding Depth to saturated zone	1.00 1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Chastain	5	Not Rated		Not Rated		Not Rated	
Nawney	4	Not Rated		Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated		Not Rated	
22B:							
Kempsville	85	Not limited		Not limited		Not limited	
23B:							
Kempsville	45	Not limited		Not limited		Not limited	
Bourne	40	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.97	Depth to thick cemented pan	1.00	Depth to thick cemented pan	0.97
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
24B:							
Masada	85	Not limited		Not limited		Not limited	
24C:							
Masada	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
25B:							
Masada	85	Not limited		Not limited		Not limited	
25C:							
Masada	85	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
26A:		·		•		·	
Nawney	75	Very limited		Very limited		Very limited	
,		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Chastain	6	Not Rated		Not Rated		Not Rated	
Johnston	5	Not Rated		Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated		Not Rated	

Map Symbol and Soil Name	Pct of	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings		
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	
27B: Norfolk	85	Not limited		Somewhat limited Depth to saturated zone	0.15	Not limited		
28B:								
Orangeburg	50	Not limited		Not limited		Not limited		
Faceville	35	Not limited		Not limited		Not limited		
28C:								
Orangeburg	50	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00	
Faceville	35	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00	
29B:								
Pouncey	85	Very limited Flooding Depth to saturated zone Depth to hard bedrock	1.00 1.00 0.46	Very limited Flooding Depth to hard bedrock Depth to saturated zone	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Depth to hard bedrock	1.00 1.00 0.46	
Worsham	3	Not Rated		Not Rated		Not Rated		
30A:								
Riverview	85	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.16	Very limited Flooding	1.00	
Chewacla	3	Not Rated		Not Rated		Not Rated		
31A:								
Roanoke	85	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	
32A:								
Roanoke	40	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	

Map Symbol and Soil Name	Pct of	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
32A:							
Chewacla	35	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.44	Depth to saturated zone	1.00	Depth to saturated zone	0.44
33B:							
Slagle	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07
34B:							
Tetotum	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
35A:							
Toccoa	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding Depth to saturated zone	1.00 0.73	Flooding	1.00
36A:							
Tomotley	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
37B:							
Turbeville	85	Not limited		Not limited		Not limited	
37C:							
Turbeville	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
38B:							
Turbeville	85	Not limited		Not limited		Not limited	
38C: Turbeville	85	Somewhat limited		Somewhat limited		Very limited	
Turbeville	83	Slope	0.04	Slope	0.04	Slope	1.00
39:							
Udorthents	85	Not Rated		Not Rated		Not Rated	
40:							
Udorthents	45	Not Rated		Not Rated		Not Rated	
Dumps	40	Not Rated		Not Rated		Not Rated	
41:							
Urban land	85	Not Rated		Not Rated		Not Rated	

Map Symbol and Soil Name	Pct of	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
42A: Varina	85	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.61		
43C:							
Wateree	85	Not limited		Somewhat limited Depth to soft bedrock	0.97	Very limited Slope	1.00
43D:							
Wateree	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope Depth to soft bedrock	1.00 0.97	Slope	1.00
44E:							
Wateree	55	Very limited	1.00	Very limited	1.00	Very limited	1.00
		Slope	1.00	Slope Depth to soft bedrock	1.00 0.97	Slope	1.00
Appling	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
45F:							
Wateree	55	Very limited		Very limited		Very limited	
		Slope	1.00	Slope Depth to soft bedrock	1.00 0.97	Slope	1.00
Appling	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Rock outcrop	10	Not Rated		Not Rated		Not Rated	
46E:							
Wedowee	85	Very limited	4.00	Very limited	4.00	Very limited	4.00
		Slope	1.00	Slope	1.00	Slope	1.00
47A:							
Worsham	85	Very limited Depth to saturated	1.00	Very limited Depth to saturated	1.00	Very limited Depth to saturated	1.00
		zone Shrink-swell	0.50	zone Shrink-swell	0.50	zone Shrink-swell	0.50
Pouncey	3	Not Rated	0.00	Not Rated	3.00	Not Rated	0.00
W:							
Water	100	Not Rated		Not Rated		Not Rated	